Applicant: Marcus F. Boehm et al.

Serial No.: 08/141,496 Filed: October 22, 1993 Attorney's Docket No.: 18202-002009 / 1002H

Amendment & Response

AMENDMENTS TO THE CLAIMS:

Claims 71, 74, 75 and 79-81 are pending. Claims 70, 72, 73 and 76-78 are cancelled herein. Claims 71, 74 and 75 are amended. This listing of claims will replace all prior versions, and listings of claims, in the application.

LISTING OF CLAIMS:

Claims 1-69 (Cancelled).

70. (Cancelled)

71. (Currently amended) A compound represented by formula I or II:

$$R_{14}$$
 R_{3}
 R_{4}
 R_{14}
 R_{3}
 R_{4}
 R_{14}
 R_{15}
 R_{16}
 R_{17}
 R_{18}
 R_{19}
 R_{19

or

$$R^{"}$$
 $R^{"}$
 $R^{"$

wherein:

R₁ is hydrogen or a lower alkyl comprising 1-4 carbon atoms;

R₂ is hydrogen or a lower alkyl comprising 1-4 carbon atoms;

Y is C, N, S, or O, wherein:

if Y is C, then R₃ is hydrogen or a lower alkyl comprising 1-4 carbon atoms, and R₄ is hydrogen or a lower alkyl comprising 1-4 carbon atoms,

if Y is N, then R₃ is hydrogen or a lower alkyl comprising 1-4 carbon atoms, and R₄ does not exist,

if Y is S, then R₃ does not exist, and R₄ does not exist,

if Y is O, then R₃ does not exist, and R₄ does not exist;

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R₁₄ is hydrogen or a lower alkyl comprising 1-4 carbon atoms;

R' is hydrogen or a lower alkyl comprising 1-4 carbon atoms and R" is a lower alkyl comprising 1-4 carbon atoms; , or R' and R" together form a cyclopropyl group, wherein the cyclopropyl group is optionally substituted with a lower alkyl having 1-4 carbon atoms;

R" is hydrogen or a lower alkyl comprising 1-4 carbon atoms, and R" is a lower alkyl comprising 1-4 carbon atoms; , or R" and R" together form a cycloalkyl comprising 3-10 carbon atoms, wherein the cycloalkyl group is optionally substituted with a lower alkyl having 1-4 carbon atoms;

X is COOH and originates from C3, C4, or C5 of the ring; and n = 0-1;

or a pharmaceutically acceptable ester, amide or salt thereof.

Claims 72 and 73 (Cancelled).

74. (Currently amended) A compound represented by formula I or II:

$$R_{14}$$
 R_{14}
 R_{14}
 R_{14}
 R_{14}
 R_{14}
 R_{15}
 R_{15}
 R_{15}
 R_{15}
 R_{15}

or
$$R^{"}$$
 $R^{"}$ R

wherein:

R₁ is hydrogen or a lower alkyl comprising 1-4 carbon atoms;

R₂ is hydrogen or a lower alkyl comprising 1-4 carbon atoms;

Y is C, N, S, or O, wherein:

if Y is C, then R₃ is hydrogen or a lower alkyl comprising 1-4 carbon atoms, and R₄ is hydrogen or a lower alkyl comprising 1-4 carbon atoms,

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> if Y is N, then R₃ is hydrogen or a lower alkyl comprising 1-4 carbon atoms, and R₄ does not exist,

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if Y is S, then R₃ does not exist, and R₄ does not exist,

if Y is O, then R₃ does not exist, and R₄ does not exist;

R₅ is an alkyl comprising 1-4 carbon atoms, or R₅ is OR₇, wherein R₇ is hydrogen or a lower alkyl comprising 1-6 carbon atoms;

R₁₄ is hydrogen or a lower alkyl comprising 1-4 carbon atoms;

R' is hydrogen and R" is hydrogen, or R' and R" together form an oxo (keto), or a methano;

R'" is hydrogen;

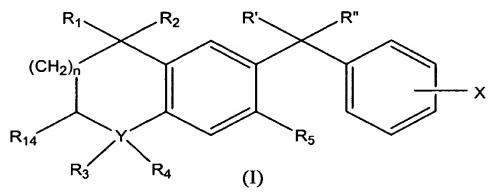
R"" is hydrogen;

X is COOH and originates from C3, C4, or C5 of the ring; and

n = 0-1; or

a pharmaceutically acceptable ester, amide or salt thereof.

(Currently amended) A compound represented by formula I or II: 75.



or

$$R_1$$
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5

wherein:

R₁ is hydrogen or a lower alkyl comprising 1-4 carbon atoms;

R₂ is hydrogen or a lower alkyl comprising 1-4 carbon atoms;

Y is C, N, S, or O, wherein:

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if Y is C, then R₃ is hydrogen or a lower alkyl comprising 1-4 carbon atoms, and R₄ is hydrogen or a lower alkyl comprising 1-4 carbon atoms,

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if Y is N, then R₃ is hydrogen or a lower alkyl comprising 1-4 carbon atoms, and R₄ does not exist,

if Y is S, then R₃ does not exist, and R₄ does not exist,

if Y is O, then R₃ does not exist, and R₄ does not exist;

 R_5 is an alkyl comprising 1-4 carbon atoms, or R_5 is OR_7 , wherein R_7 is hydrogen or a lower alkyl comprising 1-6 carbon atoms;

R₁₄ is hydrogen or a lower alkyl comprising 1-4 carbon atoms; R' is hydrogen or a lower alkyl comprising 1-4 carbon atoms and R" is a lower alkyl comprising 1-4 carbon atoms; , or R' and R" together form a cyclopropyl group, wherein the cyclopropyl group is optionally substituted with a lower alkyl having 1-4 carbon atoms;

R''' is hydrogen or a lower alkyl comprising 1-4 carbon atoms, and R''' is a lower alkyl comprising 1-4 carbon atoms; , or R''' and R'''' together form a cycloalkyl comprising 3-10 carbon atoms, wherein the cycloalkyl group is optionally substituted with a lower alkyl having 1-4 carbon atoms;

X is COOH and originates from C3, C4, or C5 of the ring; and

n = 0-1; or

a pharmaceutically acceptable ester, amide or salt thereof.

Claims 76 and 77 (Cancelled).

- 78. (Cancelled).
- 79. (Previously presented) A pharmaceutical composition comprising a compound according to claim 71 and a pharmaceutically acceptable carrier.
- 80. (Previously presented) A pharmaceutical composition comprising a compound according to claim 74 and a pharmaceutically acceptable carrier.
- 81. (Previously presented) A pharmaceutical composition comprising a compound according to claim 75 and a pharmaceutically acceptable carrier.